



## **UC QuarkNet Annual Report Information 2018**

It was a busy year for the QuarkNet group at the University of Cincinnati. One teacher and 18 physics students participated in International Cosmic day organized by DESY.

The three day summer workshop was held at Summit Country Day School. Five teachers from the Cincinnati area included two from private catholic schools and three from suburban schools. Teachers worked on a variety of activities including Quark Bench, Rolling with Rutherford, Round the Bend, ZMass, and experiments with two cosmic ray detectors. This included flux with distance between the counters and flux with direction of muon travel. Mike Sokoloff gave a series of talks on particle physics and relativity.

On March 22nd, eighteen physics students and one teacher participated in the LHCb Masterclass with Paris, Moscow, and Warwick. On March 21, twenty physics students and one teacher participated in the LHCb Masterclass with Dublin, Rio, and Perugia.

Two QuarkNet teachers joined others around the world in sharing their flux data in the seventh annual International Muon week. One teacher performed the Time of Flight study and another performed flux.